

**FINAL  
NAVAL STATION TREASURE ISLAND  
BASE REALIGNMENT AND CLOSURE CLEANUP TEAM  
MEETING MINUTES  
JULY 17, 2013**

These minutes summarize discussions with the Department of the Navy Base Realignment and Closure (BRAC) Cleanup Team (BCT) for the former Naval Station Treasure Island (NAVSTA TI). The meeting began at 10:00 a.m. on July 17, 2013, at the office of Tetra Tech EM Inc. (Tetra Tech) in Oakland, California.

The following participants attended the meeting:

Lora Battaglia, Navy\*

Bob Beck, Treasure Island Development Authority (TIDA)

Bob Burns, NGTS Inc. (consultant to Treadwell & Rollo and TIDA)\*

Bill Carson, Terraphase Engineering (consultant to Treasure Island Community Developers [TICD])

Dave Clark, Navy\*

Zach Edwards, Navy Radiological Affairs Support Office (RASO)\*

Keith Forman, Navy\*

Chris Glenn, Treadwell & Rollo (consultant to TIDA)

Eric Goldman, San Francisco Public Utilities Commission (SF PUC)\*

Danielle Janda, Navy\*

Quinn Johnson, Tetra Tech

Tracy Jue, California Department of Public Health (CDPH) Environmental Management Branch (EMB)\*

Anthony Konzen, Navy\*

Gary Munekawa, Navy Resident Officer In Charge of Construction (ROICC)\*

Jessica O'Sullivan, Tetra Tech

Nihal Oztek, Tetra Tech

Marcie Rash, Tetra Tech\*

Lt. Jeremy Schultz, Navy ROICC\*

David Stensby, U.S. Environmental Protection Agency (EPA)\*

Remedios (Medi) Sunga, California Department of Toxic Substances Control (DTSC)

Tommie Jean Valmassy, Tetra Tech

Matt Wright, CDPH EMB\*

Myriam Zech, Regional Water Quality Control Board (Water Board)

\* indicates attendee participated via telephone

**I. Introductions, Meeting Guidelines, Agenda Review, and Meeting Minutes**

Jessica O'Sullivan (Tetra Tech) began the meeting with introductions. She noted that the minutes from the June 2013 BCT meeting will be distributed during the week of July 15, 2013.

## **II. Site 12 Non-Time Critical Removal Action (NTCRA) Update**

### ***Site 12 – Phase I***

Anthony Konzen (Navy) provided an update on the Site 12 Phase I work. Shaw (now Chicago Bridge & Iron [CB&I]) completed decompression and disposal of the gas cylinders in June. CDPH Radiologic Health Branch (RHB) may choose to conduct a verification survey of Building 1123. Chris Glenn (Treadwell & Rollo) asked why Buildings 1123 and 1321 need to be demolished. Mr. Konzen responded that the buildings are on solid waste debris and the buildings must be removed to address it. Bob Beck (TIDA) asked if other buildings at TI have been demolished. Mr. Konzen said that these are the first to be removed in connection with the solid waste disposal areas (SWDA). Matt Wright (CDPH EMB) noted that other buildings on TI have been removed just not within the housing area. Dave Clark (Navy) confirmed that, with the exception of a recently burned housing building, no other buildings in Site 12 have been demolished. Keith Forman (Navy) added that additional buildings will be demolished as the program matures and suggested the Navy and TIDA meet to discuss specifics. Mr. Beck asked whether Building 1121 will still be demolished if the soil has been removed from the perimeter. Mr. Konzen said it will be demolished as part of Phase II, which will be part of his next presentation today.

Myriam Zech (Water Board) asked for clarification on the differences between the Phase I, II, and III work at Site 12. Mr. Clark explained the phases are a function of contracting. He added that the Phase I and II work is being completed concurrently and that the site management plan, which will be issued soon, contains a Phase III schedule that will also be added to the Document Tracking Sheet (DTS) in August.

### ***Site 12 – Phase II Hot Spot***

Mr. Konzen provided an update on Site 12 Phase II Hot Spot Non-time Critical Removal Action (NTCRA)/Building Demolition. He said the Navy and Tetra Tech are currently working with DTSC and CDPH to coordinate a schedule for completing the confirmation scans at Building 1121. The removal action for radiologically impacted areas has been completed and the draft post-construction summary report (PSCR) and final status survey (FSS) report will likely be submitted to the BCT in November 2013.

Ms. Zech asked about the process the contractors used to perform asbestos abatement. Bill Carson (Terraphase) said that the contractor is using negative pressure to prevent release of asbestos to outdoor air, and that this practice is typical for asbestos abatement.

Mr. Carson asked about the time set aside on the project schedule for CDPH to complete verification surveys as necessary, and whether the state agrees that this time frame is acceptable. Mr. Konzen said the Navy is coordinating with CDPH RHB and that once CDPH RHB evaluates the data it is possible they might decide they do not need to conduct a verification survey. Mr. Forman added that these are non-radiologically impacted buildings that are located within a radiologically impacted site. He said that it is up to CDPH RHB to decide if a verification survey is warranted. Mr. Carson asked if the Navy plans to move forward with the schedule if CDPH RHB does not respond once it receives the data. Mr. Forman said the Navy will elicit a response from CDPH RHB before it moves forward.

Medi Sunga (DTSC) asked if the Navy is looking for free release in these areas, since an FSS is being done for each site. Mr. Konzen stated that the PCSR and FSS will discuss the removal action and the results that indicate the site has met dose requirements and screening levels. Mr. Clark added that the Navy is not necessarily looking for free release at each individual site, but rather that free release be granted to the area as a whole once all the work is completed.

### **III. Radiological Work Plan**

Danielle Janda (Navy) provided an update on the radiological management work plan. As noted in the figure, a storm line was added to the area near Building 233. She said that any agency comments on the responses to comments provided by the Navy are due today (July 17, 2013). Mr. Forman added that the August 5, 2013, field mobilization date is critical.

Mr. Glenn asked how the radiological management work plan relates to the Historical Radiological Assessment Supplemental Technical Memorandum (HRASTM). Ms. Janda said that the HRASTM applies to the entire installation, while the radiological management work plan will address certain data gaps and findings identified in the HRASTM. For example, there are sufficient historical data on Building 3 to move forward as if the conceptual site model (CSM) is complete; however, additional surveys (such as gamma walkover surveys) at Site 12 are required to collect additional information. Mr. Clark added that the HRASTM covers all impacted and non-impacted areas at TI. Any impacted areas will need additional investigation. The site management plan goes into more detail, showing all the various projects, and this work plan is a subset of those projects. Mr. Forman added that the radiological management work plans will be prepared contract by contract; there will be additional work plans for future work. Ms. Janda clarified that Building 3 and Site 12 are under the same contract, but have no affiliation other than that.

Mr. Beck asked about field activities related to the radiological management work plan. Ms. Janda said field activities within Site 12 include a gamma walkover survey on 100 percent of the area outside of the SWDAs, and include systematic as well as biased soil samples. Scanning data and smear samples will be collected inside Building 3. Mr. Beck asked if workers will be wearing personal protective equipment (PPE) such as Tyvek suits during the scans, as they might be alarming to the residents. Ms. Janda said they will not be wearing Tyvek suits, but will be in the appropriate PPE, which includes steel-toe boots and hats. She added that the Navy is developing a work notice and will coordinate backyard access with the John Stewart Company or other housing providers.

### **IV. Historical Radiological Assessment – Supplemental Technical Memorandum Update**

Mr. Clark provided an update on the HRASTM. He explained the purpose of the document is to reevaluate the findings in the 2006 historical radiological assessment (HRA) based on new field data and additional research that is being conducted. Mr. Clark said that status of the project is that the draft HRASTM was issued, comments were received, and a redline/strikeout version was prepared. Based on BCT comments, the Navy has decided to conduct additional field

investigations and records research. Mr. Clark explained the schedule for the HRASTM has greatly changed and the additional field work is driving that schedule.

Mr. Carson asked if the Navy has been working with DTSC and CDPH in developing this path forward, and whether the agencies approve of the future data being incorporated into the HRASTM. Mr. Forman confirmed the Navy has had an ongoing dialogue with CDPH EMB, DTSC, and the Water Board regarding these items. Ms. Sunga said the state agencies agree that further data would be beneficial, and that CDPH EMB is aware these data will be incorporated into the HRASTM. Mr. Forman added that further data would also be useful for the CSM. The next iteration of the HRASTM will be the final version; therefore, it is pertinent to provide a clear understanding of the site conditions. Mr. Clark noted on the schedule that several working meetings are planned to discuss preliminary data and the next redline/strikeout version of the HRASTM before it is finalized.

Mr. Carson noted he would like to get verification from the state that they agree with collecting additional data, but if the state feels that the data will not help achieve the Navy's goal, then pushing the document out was not a good use of time. Mr. Forman iterated he talked with Steve Woods at CDPH and he is on board with this approach to collect the additional data to incorporate into the final HRASTM. Mr. Forman said he agrees the state should voice their opinion more often during the BCT meetings. Tracy Jue (CDPH EMB) said she and Mr. Wright do not have the authority to decide whether the new data would support free release at the site. Mr. Forman requested that management personnel at CDPH EMB attend the BCT meetings to provide feedback to these types of questions.

## **V. Building 233 Update**

Mr. Konzen provided an update on the work at Building 233. Sample results from the red bin soil show Radium-226 concentrations are within background levels at TI. Some of the bins are empty and some were filled with concrete. The concrete will be ground up and potentially recycled for future use. Data from the soil samples collected during the utility line removal will be incorporated into the FSS. Field work at Building 233 is almost complete. Remaining red bins will likely be removed by the next BCT meeting. Ms. Sunga asked how many of the bins were characterized as low-level radiological waste. Mr. Konzen said he will provide this information to Ms. Sunga.

## **VI. Sites 27, 31, and 33 Update**

Lora Battaglia (Navy) provided an update on Site 27 and Sites 31 and 33. The Site 27 final remedial action work plan (RAWP) and fact sheet were distributed on July 12, 2013. Based on the sediment core sampling results, the dredge area will be expanded as shown in the figure. Ms. Zech said the least tern fledgling season is immediately after the nesting season, when sediment dewatering is planned. She noted the dewatering area is near the least tern fledgling area and asked if a biologist will be present to monitor their activities. Ms. Battaglia said dewatering activities are not expected to affect the least tern, and that Ms. Anna Ewing, a biologist with California Department of Fish and Wildlife, will be recording data daily during the nesting season and during field activities and it is her data that will be used in scheduling field

work. The contractor will also have a biologist present during the field work to make sure the least terns are not disturbed.

Ms. Battaglia moved on to the update of Sites 31 and 33. She stated the Site 33 radiologically controlled area (RCA) was down-posted and the draft FSS for the Site 31 RCA will be issued in November. The Navy is working to transfer radiological control of Site 31 from Tetra Tech, which had control of the area on an interim basis during contracting, to ITSI Gilbane.

Ms. Battaglia also announced her departure from BRAC as of Friday, July 26. Mr. Forman thanked Ms. Battaglia for her work, and said he will update the BCT about any new additions to the team at the next BCT meeting.

## **VII. Upcoming Documents and Field Activities**

### ***Upcoming Documents***

Mr. Clark reviewed the DTS and highlighted the upcoming documents anticipated for draft or final delivery and agency reviews due within the next 30 days. Mr. Wright asked if the draft work plan for the new 1400 series housing will be added to the DTS. Mr. Clark responded affirmatively. Once the contract is in place, it will be added to the schedule.

Ms. Sunga asked if the SWDA A&B Phase II PCSR (item #7) covered the building demolition and whether it will be reviewed by CDPH RHB or EMB. Mr. Clark responded the document will be a summary of the field work and building demolition and that CDPH RHB will be reviewing the data.

### ***Field Schedule***

Mr. Clark reviewed the field activities scheduled to begin within the next 30 days.

## **VIII. Restoration Advisory Board Meeting Agenda / Community Relations Update**

Tommie Jean Valmassy (Tetra Tech) provided an update on the status of the NAVSTA TI community involvement plan (CIP). The goal is to conduct up to 30 interviews with stakeholders by the end of July; 24 have been completed to date. Mr. Beck said he will provide more potential interviewees to Ms. Valmassy.

The next Restoration Advisory Board (RAB) meeting is planned for August 20, 2013. Mr. Forman said that a small tour will be conducted for RAB members an hour before the meeting.

## **IX. Open Forum for City / Developer / BCT**

July TIDA meeting update: Mr. Beck said there was no new information on operations or security, and that there were no public comments or questions on Navy cleanup-related issues.

Mr. Carson asked if DTSC has received public inquiries and Ms. Sunga said the department had not.

## **X. Action Item Review / Other Meetings**

Ms. O'Sullivan reviewed the action items and noted the outstanding, completed, and new action items from the meeting.

### ***Outstanding Action Items:***

- *Navy to provide the schedule for the verification surveys at Site 12 with CDPH RHB (Kent Prendergast or Gene Forrer).*

### ***Completed Action Items:***

- *Navy to discuss level of CDPH involvement in building demolition/surveys with CDPH (Steve Woods). Mr. Forman noted he had followed up with Mr. Woods and confirmed CDPH RHB would be responsible for data and review of the building demolition and surveys. This item is now complete.*

### ***New Action Items:***

- *Mr. Beck will send Ms. Valmassy a list of potential CIP interviewees. Ms. Valmassy will send CIP interview questions to Mr. Beck.*
- *Ms. O'Sullivan will distribute the updated BCT contact list.*

### ***Future Agenda Items:***

Ms. O'Sullivan asked for any additional agenda items to be included for the next BCT meeting; none were requested.

### ***Next meetings:***

- August 21, 2013, Tetra Tech, Oakland, California
- September 18, 2013, Tetra Tech, Oakland, California
- October 16, 2013, Tetra Tech, Oakland, California

The meeting adjourned at 12:05 p.m.

**JULY 2013**  
**HANDOUTS**

**(49 Pages)**

**AGENDA  
NAVAL STATION TREASURE ISLAND  
BRAC CLEANUP TEAM MEETING**

**Date:** Wednesday, July 17, 2013

**Time:** 10:00 a.m. to 12:00 p.m.

**Place:** Tetra Tech, 1999 Harrison Street, Suite 500, Oakland, CA

**Dial In:** [REDACTED]

**Meeting ID#:** [REDACTED]

**Webinar link:** [REDACTED]

**\*\*NOTE:** If this is your first webinar, please log-in 10 minutes early to ensure your computer can sync with GoToMeeting webinars.

- |               |  |
|---------------|--|
| 10:00 – 10:05 | <b>Introductions, Meeting Guidelines, Agenda Review, Meeting Minutes</b><br>(Keith Forman)                                 |
| 10:05 – 10:20 | <b>Site 12 Non-Time Critical Removal Action Update</b> (Tony Konzen)   |
| 10:20 – 10:40 | <b>Radiological Work Plan</b> (Danielle Janda)   |
| 10:40 – 10:55 | <b>Historical Radiological Assessment – Supplemental Technical Memorandum Update</b> (Dave Clark / Keith Forman)           |
| 10:55 – 11:10 | <b>Building 233 Update</b> (Tony Konzen)   |
| 11:10 – 11:20 | <b>Sites 27, 31 and 33 Update</b> (Lora Battaglia)   |
| 11:20 – 11:30 | <b>Upcoming Documents and Field Activities</b> (Dave Clark)  |
| 11:30 – 11:40 | <b>RAB Meeting Update / Community Relations Update</b> (Keith Forman / Tommie Jean Valmassy)                               |
| 11:40 – 11:55 | <b>Open Forum for City / Developer / BCT</b> <ul style="list-style-type: none"><li>• July 10 TIDA meeting update</li></ul> |
| 11:55 – 12:00 | <b>Action Item Review / Other Meetings</b> (Keith Forman)  |

**Future BCT Meetings:**

August 21, 2013, Tetra Tech Inc., Oakland, California  
September 18, 2013, Tetra Tech Inc., Oakland, California  
October 16, 2013, Tetra Tech Inc., Oakland, California



# Treasure Island BCT Meeting

# Sign-in Sheet

Date:  
July 17, 2013

Time:  
10:00 AM – 12:00 PM

Location:  
Tetra Tech, 1999 Harrison Street, Suite 500, Oakland

Sign In	Name	Organization	Phone	Email
	Allen Baradar	Caltrans	(510) 286-5000	<a href="mailto:allen.baradar@dot.ca.gov">allen.baradar@dot.ca.gov</a>
phone	Lora Battaglia	Navy	(619) 532-0968	<a href="mailto:lora.battaglia.ctr@navy.mil">lora.battaglia.ctr@navy.mil</a>
RB	Bob Beck	TIDA	(415) 274-0662	<a href="mailto:bob.beck@sfgov.org">bob.beck@sfgov.org</a>
William Carson	Bill Carson	Terraphase	(510) 388-8745	<a href="mailto:william.carson@terrphase.com">william.carson@terrphase.com</a>
phone	David Clark	Navy	(619) 532-0973	<a href="mailto:david.j.clark2@navy.mil">david.j.clark2@navy.mil</a>
phone	Zach Edwards	Navy RASO	(757) 887-7762	<a href="mailto:zachary.edwards@navy.mil">zachary.edwards@navy.mil</a>
phone	Keith Forman	Navy	(619) 532-0913	<a href="mailto:keith.s.forman@navy.mil">keith.s.forman@navy.mil</a>
Chris Glenn	Chris Glenn	Treadwell & Rollo	(510) 874-7074	<a href="mailto:cglenn@langan.com">cglenn@langan.com</a>
phone	Danielle Janda	Navy	(619) 532-0796	<a href="mailto:danielle.janda@navy.mil">danielle.janda@navy.mil</a>
Present	Quinn Johnson	Tetra Tech	(510) 302-6247	<a href="mailto:quinn.johnson@tetrattech.com">quinn.johnson@tetrattech.com</a>
	Carolyn Jones	SF PUC	(415) 550-3577	<a href="mailto:cjones@swater.org">cjones@swater.org</a>
phone	Tracy Jue	CDPH EMB	(916) 324-4804	<a href="mailto:tracy.jue@cdph.ca.gov">tracy.jue@cdph.ca.gov</a>
phone	Tony Konzen	Navy	(619) 532-0924	<a href="mailto:anthony.konzen.ctr@navy.mil">anthony.konzen.ctr@navy.mil</a>
	Radhika Majhail	DTSC	(916) 255-6681	<a href="mailto:radhika.majhail@dtsc.ca.gov">radhika.majhail@dtsc.ca.gov</a>
phone	Gary MuneKawa	Navy ROICC	(650) 603-9834	<a href="mailto:gary.munekawa@navy.mil">gary.munekawa@navy.mil</a>
present	Jessica O'Sullivan	Tetra Tech	(510) 302-6235	<a href="mailto:jessica.osullivan@tetrattech.com">jessica.osullivan@tetrattech.com</a>
	Ron Pilorin	CDPH EMB	(916) 449-5664	<a href="mailto:ronald.pilorin@cdph.ca.gov">ronald.pilorin@cdph.ca.gov</a>
phone	Marcie Rash	Tetra Tech	(510) 302-6324	<a href="mailto:marcie.rash@tetrattech.com">marcie.rash@tetrattech.com</a>
	Dorinda Shipman	Treadwell & Rollo	(415) 955-5262	<a href="mailto:dshipman@langan.com">dshipman@langan.com</a>
	Christina Simmons	Treadwell & Rollo	(415) 955-5247	<a href="mailto:csimmons@langan.com">csimmons@langan.com</a>


# Treasure Island BCT Meeting

# Sign-in Sheet

Date:  
July 17, 2013

Time:  
10:00 AM – 12:00 PM

Location:  
Tetra Tech, 1999 Harrison Street, Suite 500, Oakland

Sign In	Name	Organization	Phone	Email
phone	David Stensby	EPA	(415) 972-3246	<a href="mailto:stensby.david@epa.gov">stensby.david@epa.gov</a>
WS	Medi Sunga	DTSC	(510) 540-3840	<a href="mailto:remedios.sunga@dtsc.ca.gov">remedios.sunga@dtsc.ca.gov</a>
	Denise Tsuji	DTSC	(510) 540-3824	<a href="mailto:denise.tsuji@dtsc.ca.gov">denise.tsuji@dtsc.ca.gov</a>
TJV	Tommie Jean Valmassy	Tetra Tech	(510) 302-6232	<a href="mailto:tommiejean.valmassy@tetrattech.com">tommiejean.valmassy@tetrattech.com</a>
phone	Matthew Wright	CDPH EMB	(916) 449-5687	<a href="mailto:matthew.wright@cdph.ca.gov">matthew.wright@cdph.ca.gov</a>
	Myriam Zech	Water Board	(510) 622-5684	<a href="mailto:myriam.zech@waterboards.ca.gov">myriam.zech@waterboards.ca.gov</a>
on phone	Eric Goldman	SF PUC		
	Bob Burns (sub contractor to)	NR		
	Lt. J. Schwartz	ROICC		
present	Nihal Dhek			



# Naval Station Treasure Island



## Site 12 – Phase I

**Tony Konzen**

Project Manager  
Contracted Support to NAVFAC BRAC PMO  
BRAC Program Management Office West

**Naval Station Treasure Island  
BCT Meeting, July 17, 2013**



## Phase I Completion Schedule



- May 20: Shaw mobilized
- Week of June 26: De-energized and disposed of compressed gas cylinders (completed)
- June – July: Complete asbestos and lead based paint surveys on Building 1321 (completed)
- July 22 – Aug 12: CDPH verification survey for Building 1321
- July 22 – Aug 29: Prepare Building 1321 for demolition, demolish structure and remove debris
- July 22 – Aug 5: Complete asbestos and lead based paint surveys on Building 1123



## Phase I Schedule (Con't)



- Aug 5 – Aug 19: CDPH verification survey for Building 1123
- Aug 19 – Oct 3: Prepare Building 1123 for demolition, demolish structure and remove debris.
- Aug 15 – Jan 13: Foundation removal/excavate beneath buildings
- Sept 1 – June 2014: Excavate radiologically elevated areas around Buildings 1321, 1119, and 1121
- July 2014: Demobilize from site





# Gas Cylinder Disposal



**Staged gas cylinders in RCA**



**Cylinder penetrating device**



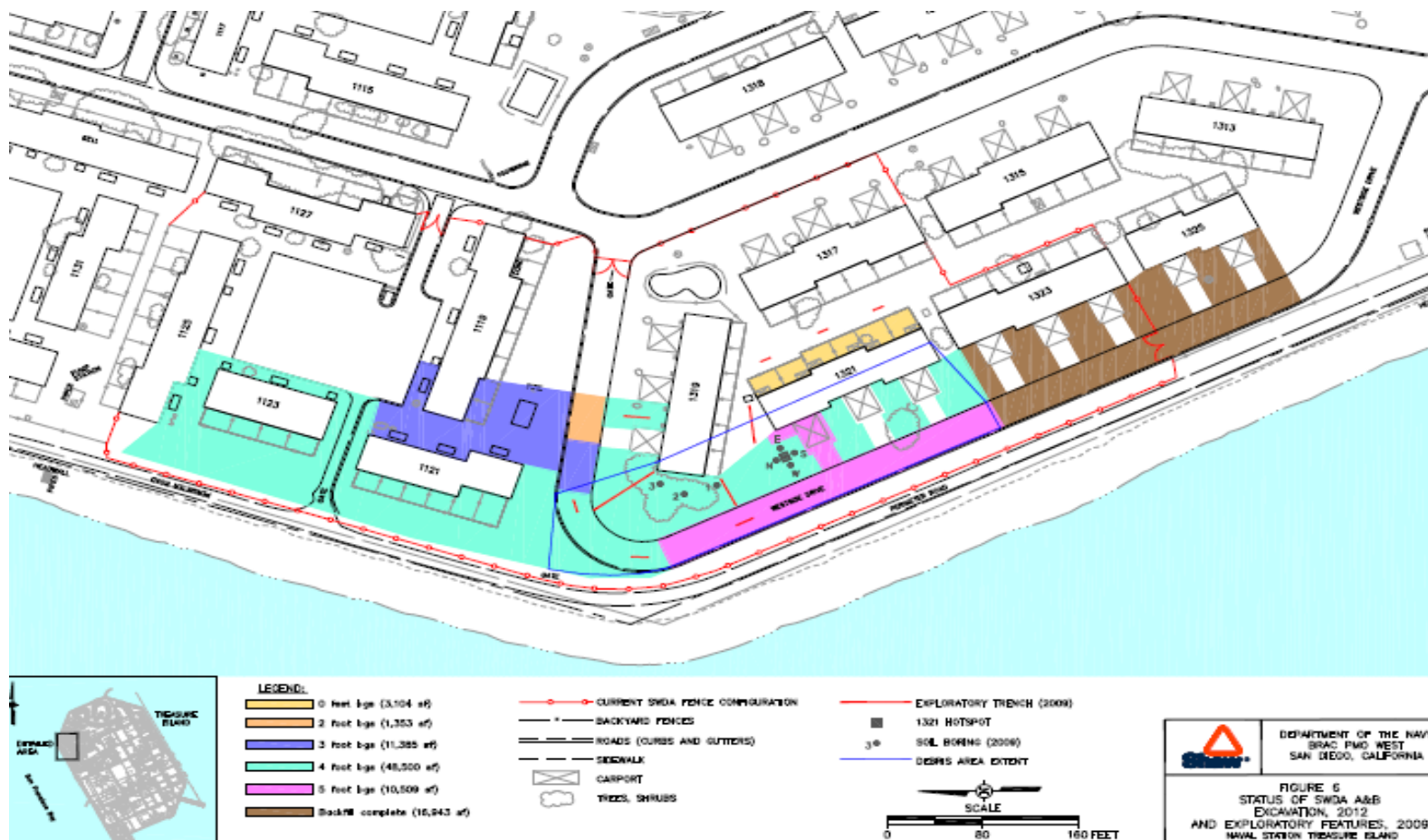
## SWDA A&B



**Work Performed in June 2013 to Remove Hot Spot Near Building 1321**



# SWDA A&B



Map of SWDA A&B Westside Drive





## Site 12 Documents



- Bayside (SWDA 1207/1209) and North Point (SWDA 1231/1233) Removal Action Post-Construction Summary Report
  - The Final PCSR will be issued by July 26
- SWDA A&B Draft Post-Construction Summary Report
  - The document will be re-issued as a Draft in May 2014



# Naval Station Treasure Island



## Site 12 – Phase II Hot Spot NTCRA/Building Demolition Update

**Tony Konzen**

Project Manager

Contracted Support to NAVFAC BRAC PMO

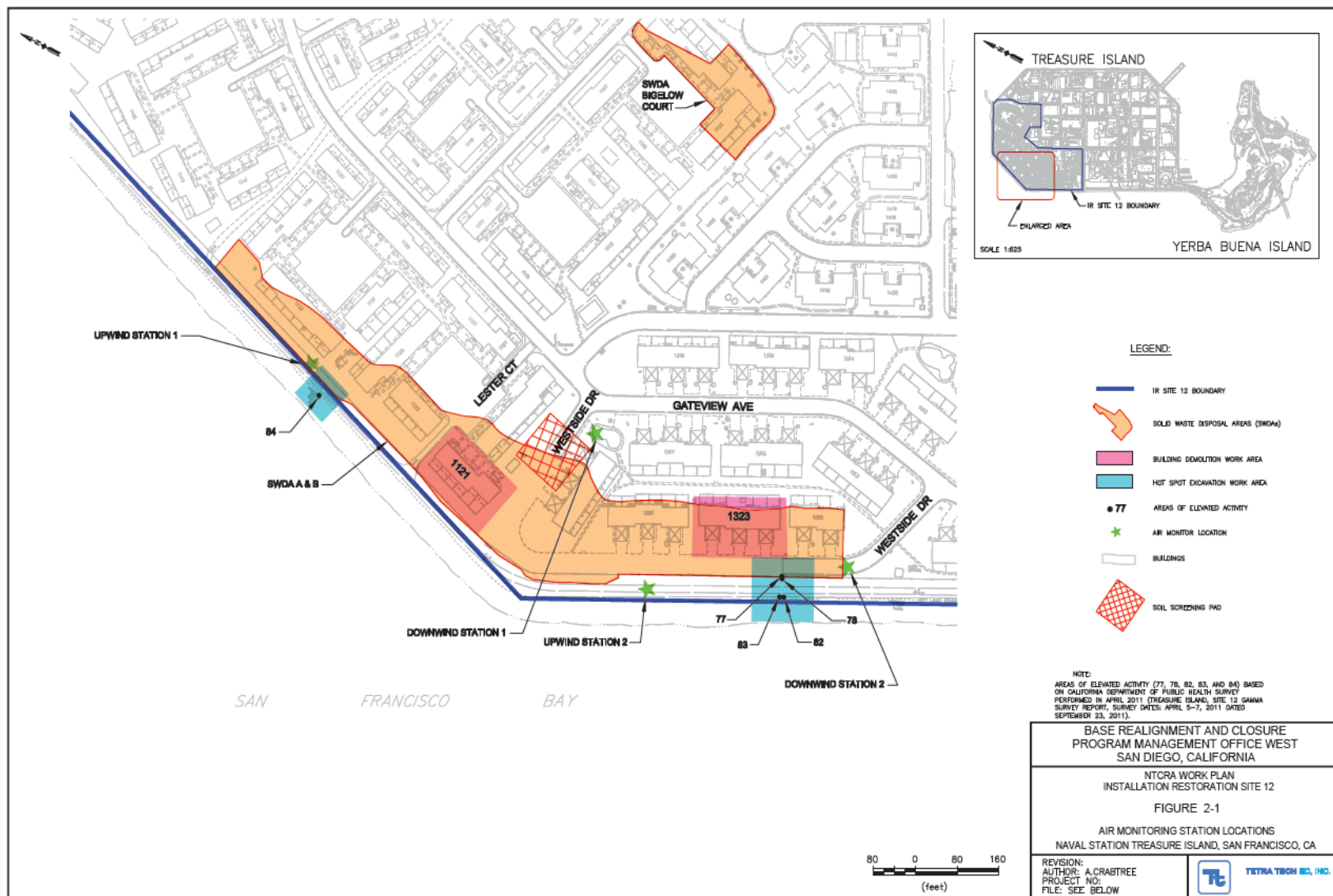
BRAC Program Management Office West

**Naval Station Treasure Island**

**BCT Meeting, July 17, 2013**



# NTCRA Work Areas



P:\CADD Project Files\Treasure Island\CAD Files\DWG\NTCRA - Figure 2-1.dwg

03/26/19



## Schedule



### Building 1121

- May 20 – July 19: Building preparation, radiologically scan the building, asbestos abatement
- July 17 – July 24: Navy and DTSC/CDPH review of radiological survey data/CDPH performs confirmatory scans
- July 24 – Aug 7: Building demolition and debris disposal



## Schedule (Con't)



### Building 1323

- June 1 – July 15: Primary asbestos and lead based paint abatement (completed)
- July 15 – July 26: General building demolition preparation, complete asbestos abatement in secondary areas, radiologically scan the building
- July 31 – Aug 7: Navy and DTSC/CDPH review of radiological survey data/CDPH performs confirmatory scans
- Aug 7 – Aug 21: Building demolition and debris disposal



## Schedule (Con't)



### Removal Action for Radiologically Elevated Areas

- June 28: Excavation and backfilling of northern and southern elevated areas completed

### Reporting

- November 2013: Draft Post-Construction Summary Report (PCSR) and FSS report to BCT

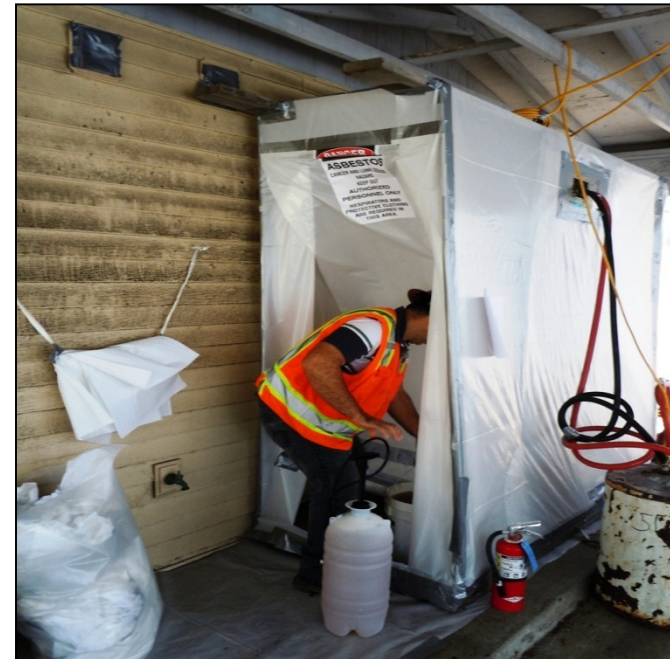




# Building 1121 - Asbestos Mitigation



Negative pressure equipment



Decontamination area



# Buildings 1121 – Radiological Surveys



Scanning grids in stairwell walls



Technicians doing wall and floor surveys





**Questions?**



# Naval Station Treasure Island



## Radiological Management Work Plan

**Danielle Janda**

Project Manager  
BRAC Program Management Office West

Naval Station Treasure Island  
BCT Meeting, July 17, 2013



# Current Scoped Project Areas





# Schedule



- July 1: Responses to Comments Distributed
- July 17: Further Comments to be received
- July 29: Final Project Plan Documents to be Submitted to the BCT
- August 5 – 9: Field Mobilization
- August 12: Begin Surveys at Site 12 and Building 3



## Questions / Discussion



# **Historical Radiological Assessment – Supplemental Technical Memorandum Update**

**Naval Station Treasure Island  
BCT Meeting, July 17, 2013**



# Additional Research



Continued research being conducted on following issues:

- Site 12
  - Incorporate radiological soil data collected during feasibility study data gaps investigation
  - Incorporate scanning results from towed array survey of Site 12 areas outside of SWDAs; including any biased soil samples that are collected
  - Considering incorporation of future subsurface soil samples in 1400 series housing
  - Reviewing housing construction plans and as-built drawings
  - Researching and interviewing past Navy personnel and housing contractors
- Outfalls – research specific outfalls and histories
- Incinerator – identify incinerated items, ash disposal
- Operation CROSSROADS – confirm ships were adequately decontaminated before temporary berthing at TI
- Radium foils – research historical use of foils at TI



# HRASTM Schedule



Date	Task
28 August 2013	Discuss status of research with BCT
18 September 2013	Discuss available preliminary Site 12 scoping survey results
16 October 2013	Discuss additional Site 12 scoping survey results
19 February 2014	Working meeting regarding redline strikeout HRASTM
28 February 2014	Issue redline strikeout HRASTM; BCT 30-day review
28 March 2014	Receive BCT comments
4 April 2014	Resolve remaining BCT comments
18 April 2014	Issue Final HRASTM

Note: These dates assume a new contract will be in place to support subsurface soil sampling within the 1400 series housing area.





**Questions?**



# Naval Station Treasure Island



## Building 233 Update

**Tony Konzen**

Project Manager  
Contracted Support to NAVFAC BRAC PMO  
BRAC Program Management Office West

**BCT Meeting, July 17, 2013**



# Building 233 Site



- Removed a small length of steel pipe (to the right) on the eastern edge of the survey unit and capped/plugged all the drain lines leading out of the Building 233 site.
- Completing characterization surveys in building footprint
- Preparing a Characterization Survey Report and FSS Plan (draft for review in August)



Looking east, small trench where steel pipe removed (left)



# Building 233 Site



Building 233 site showing former building foot print  
and bin staging to the east





## Building 233 Red Bins



- All red bin soil has been placed in laydown pads and characterized with samples.
- Sample results show Ra-226 concentrations ranging from 0.1 to 0.6 pCi/gm which is within background for TI.
- To date, 43 bins have been demobilized from the site with the remaining 22 bins being removed by July 31.
- Soil will remain at Building 233 site for grading and backfilling



# B233 Processing Bins and Soil



**Remaining Bins Awaiting Processing**



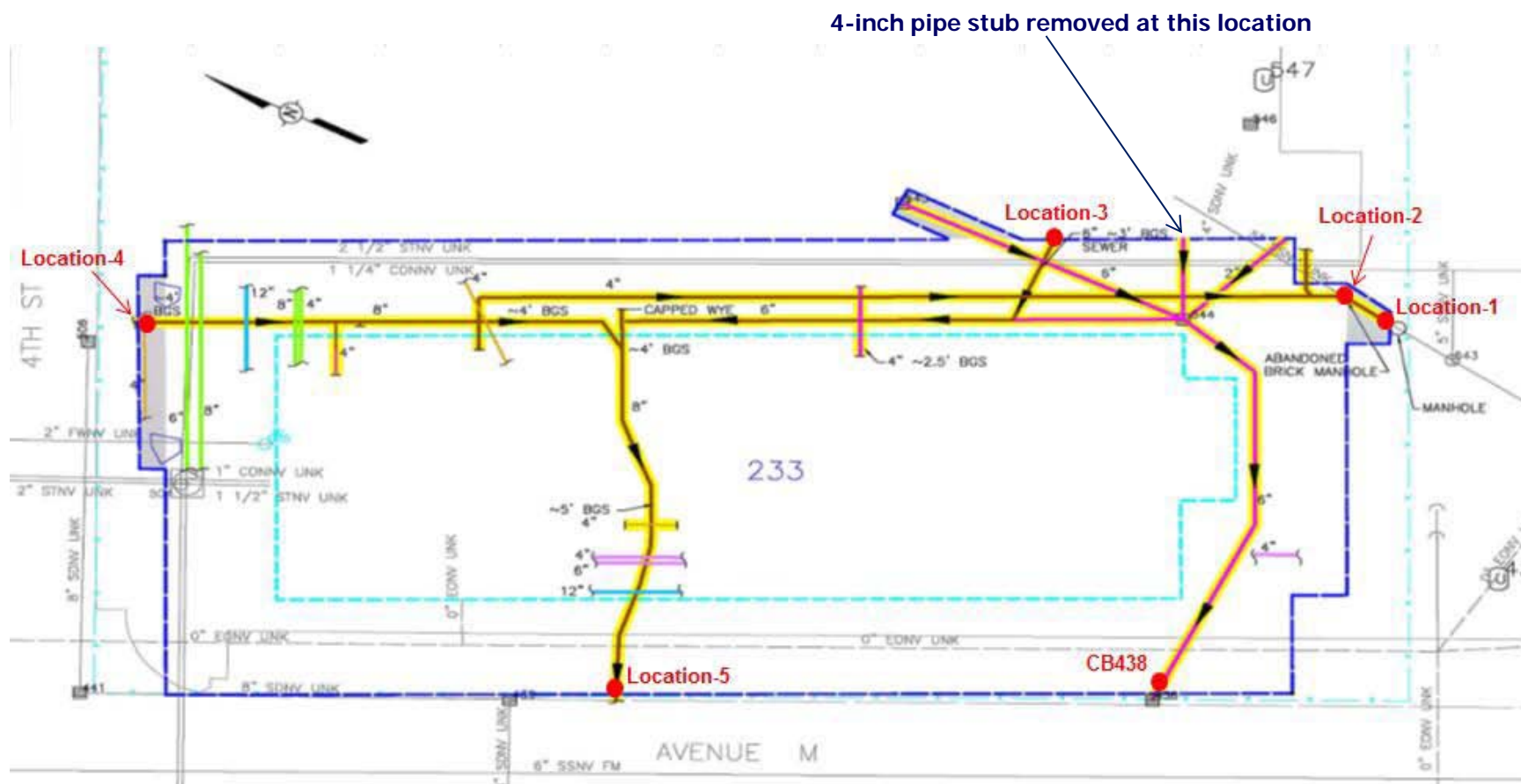
# Building 233 Schedule



- June 17 – July 30: Complete red bin soil characterization, obtain characterization sample results, and transport the bins off site
- June 10 – July 17: Analyze soil samples from line removal
- July 17 – 31: Remediate any remaining areas around piping or drain basins based on sample results
- August 29: Draft Characterization and FSS Work Plan
- Sept 26 – Oct 11: FSS Field Work
- Jan 9, 2014: Draft FSS Report to BCT



# Building 233



Piping stub locations 1 through 5 and catch basin 438 were grouted and capped





# Building 233

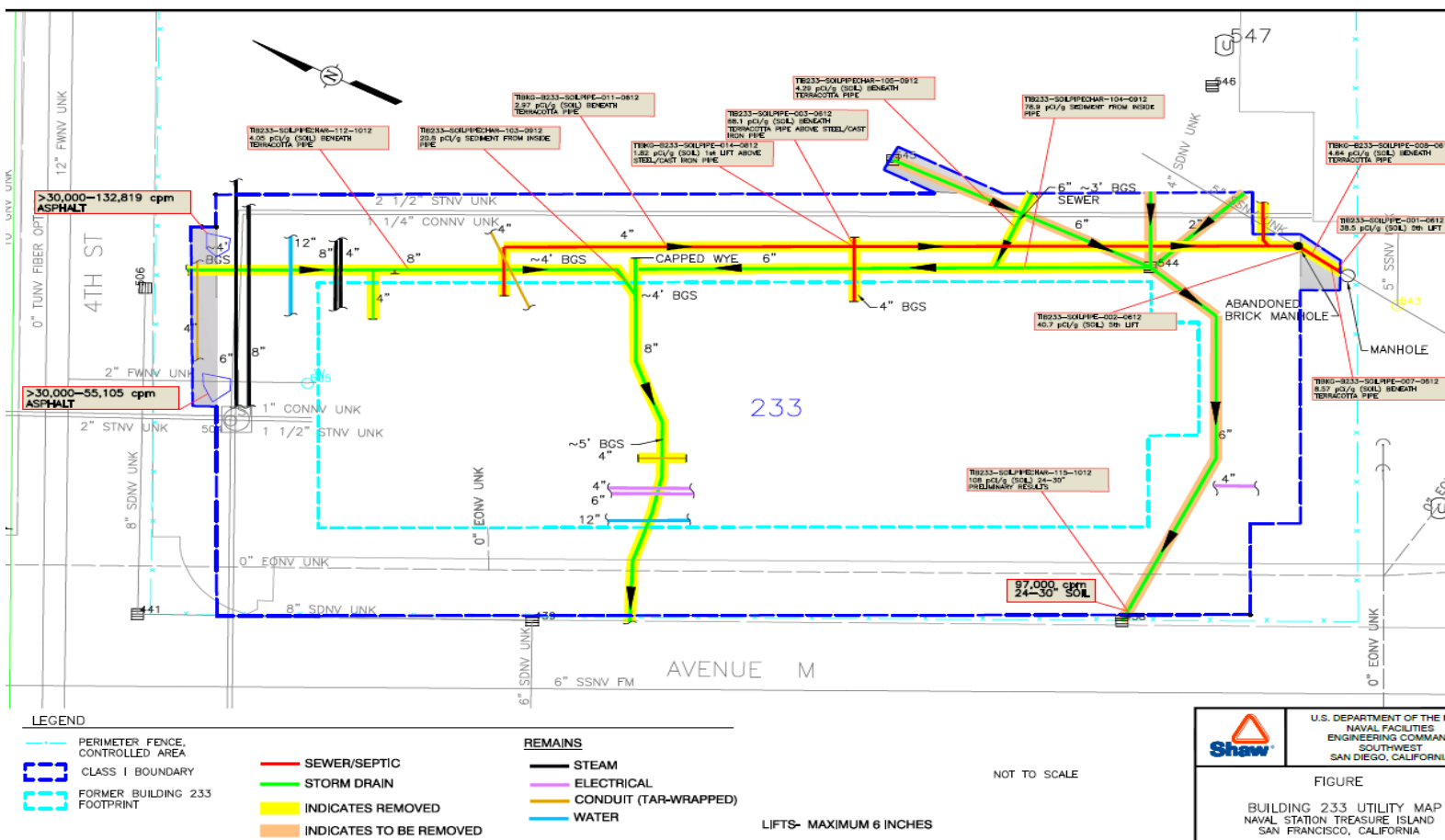


Figure Showing Drain Lines Removed and Class I Survey Unit – Note that all drain lines have been removed



# Questions





# Naval Station Treasure Island



## Sites 27, 31 and 33 Update

**Lora Battaglia**

Remedial Project Manager  
Support Contractor to NAVFAC BRAC PMO  
BRAC Program Management Office West

**BCT Meeting, July 17, 2013**



# Site 27 Remedial Action Work Plan (RAWP)



**Final RAWP:**

July 12

**Fact Sheet:**

July 12





## Site 27 Field Work (TI Phase)

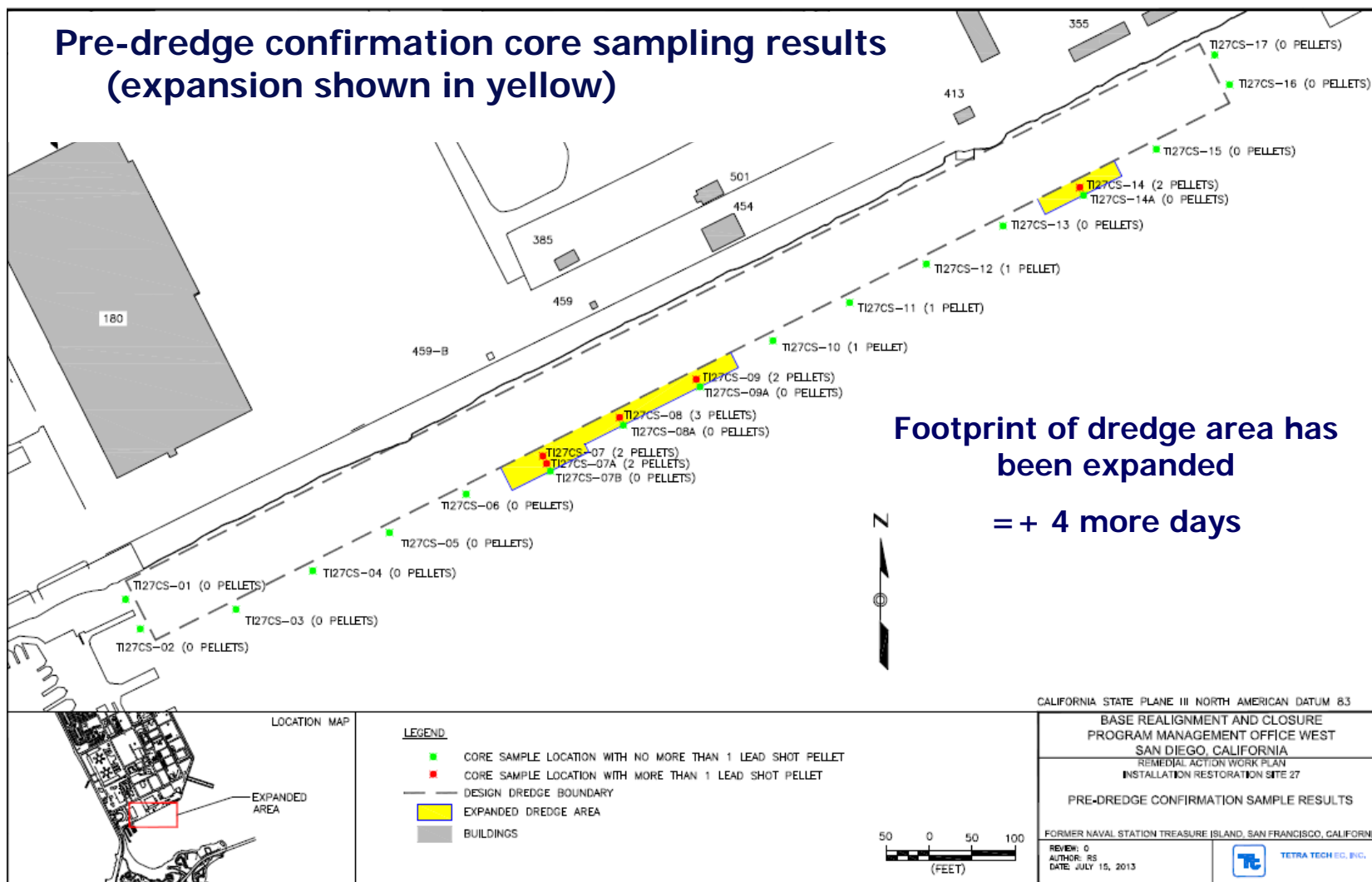


- Mobilization (~4 days): July 9-12
- Core Sampling and Analysis (~23 days): July 9
- Turbidity Curtain Installation (~8 days): July 30
- Focused Dredge (~23 days): August 8
- Transport to Alameda (~20 days): August 17
- Post Dredge Bathymetry (2 days): Sept 11





# Site 27 Core Sampling Results







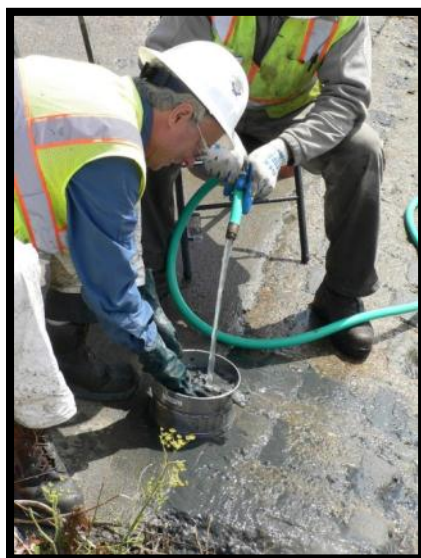
## Site 27 Field Work (TI Phase)



Collecting samples



Core processing



Screening for  
lead shot





## Site 27 Waste Characterization



- Radiologic Analytical Results due August 4<sup>th</sup>
- RCRA Hazardous Waste Permit Requirements
  - Transportation of dredge spoils to Alameda will be part of the onsite implementation of the remedy
  - Substantive requirements will be met through waste characterization (see Attachment 5 of the Final RAWP)
  - Samples to be collected after drying is complete



## Site 27 Field Work (Alameda Phase)



- Sediment Dewatering (~30 days): September 11
- Backfill (~24 days): September 12
- Transfer of Sediment (~18 days): October 25
- Demobilization (~10 days): November 19



- Fish Window (July - October)
- Least Tern Nesting Season (March - July)
- Brown Pelican Season (July 1 - Sept 30)
- Biologist will be available at Alameda



## Site 31 and Site 33



- ITSI was awarded the new contract July 3
- Report Review and RAWP Update underway
- T&D of Stockpiled Soil (IR Site 31) & Pad Removal 8/27/13
- T&D of Stockpiled Soil (IR Site 33) & Pad Removal 9/26/13
- Site restoration: October through December
- RACR Reports: December







# Questions



Naval Station Treasure Island  
Environmental Cleanup Program  
Document Tracking Sheet  
July 2013 - December 2013

Item		Document Title & Information	CTO/DO	INTERNAL DRAFT			Draft to Agencies	DRAFT							Priority Review	RTC			INTERNAL FINAL			FINAL		Comments									
				Internal Draft Due to Navy				Navy Comments Due			Agency Comments							Preliminary RTCs to Agencies			Resolve and Concur on RTCs				Internal Final to Navy			Navy Comments Due			Final to Agencies		
											Date Due	DTSC	WATER BOARD	EPA		TIDA/TICD	RAB																OTHER
Site 6																																	
1	UST 240 Post-Construction Summary Report		0002	05/07/13 ✓ 05/21/13 ✓ 07/01/13 ✓			07/31/13								08/07/13		08/21/13		09/02/13		09/16/13		09/30/13										
	RPM: Tony Konzen																																
	PM: Phil Skorge, ERRG																																
2	Site 6 PP/Draft RAP		0038	07/09/13 ✓ 08/09/13 08/23/13			09/22/13								10/20/13		11/03/13		11/19/13		11/29/13		12/13/13										
	RPM: Tony Konzen																																
	PM: Dennis Kelly, TriEco-Tt																																
Site 12																																	
3	Bayside/North Point Post-Construction Summary Report (Phase I)		0010	10/18/11 07/03/12 ✓ 02/27/12 08/03/12 ✓ 09/07/12 ✓			10/29/12	✓		X	✓				03/07/13	✓	NA		05/09/13	✓	05/29/13	✓	07/26/13										
	RPM: Tony Konzen																																
	PM: Ulrika Messer, CB&I																																
4	SWDA A&B Post-Construction Summary Report (Phase I)		0010	10/25/12 04/22/14 ✓ 12/10/12 05/12/14 ✓ 01/28/13 05/30/14 ✓			02/27/13 06/27/14	X							07/10/14		07/12/14		07/14/14		07/19/14		07/24/14										
	RPM: Tony Konzen																																
	PM: Ulrika Messer, CB&I																																
5	Site 12 Feasibility Study		:	07/31/13 08/31/13 09/27/13 10/28/13										11/13/13		TBD		11/27/13		12/13/13		12/30/13											
	RPM: Tony Konzen																																
	PM: Doug Gilkey, KCH																																
6	SWDA A&B Post-Construction Summary Report (Phase II Hot Spots)		:	08/23/13 10/22/13 11/05/13 12/06/13										12/20/13		01/08/14		01/12/14		01/17/14		01/22/14											
	RPM: Tony Konzen																																
	PM: Bill Dougherty, TtEC																																
7	SWDA A&B Post-Construction Summary Report (Phase II)		:	09/18/13 11/19/13 11/25/13 12/27/13										01/10/14		01/31/14		02/17/14		02/27/14		03/13/14											
	RPM: Tony Konzen																																
	PM: Bill Dougherty, TtEC																																
8	Bigelow Court Removal Action Work Plan (RAWP)		:	08/21/13 09/20/13 01/04/14 02/03/14										02/17/14		TBD		03/08/14		03/22/14		04/05/14											
	RPM: Tony Konzen																																
	PM: Ulrika Messer, CB&I																																
Site 21																																	
9	Site 21 Land Use Control RD/RAWP		:	04/08/13 ✓ 05/08/13 ✓ 06/21/13 ✓ 07/22/13										08/05/13		08/12/13		08/23/13		08/30/13		09/06/13											
	RPM: Danielle Janda																																
	PM: Internal Navy																																
Site 24																																	
10	Phase III Treatability Study Report		:	04/05/13 ✓ 04/22/13 ✓ 05/02/13 ✓ 06/03/13			✓	✓		✓				07/01/13	✓	07/02/13		08/01/13		08/11/13		08/25/13		DTSC (5/31), TIDA (6/5), WB (6/12)									
	RPM: Danielle Janda																																
	PM: Neil Hey, CB&I																																
Site 27																																	
	Site 27 Remedial Action Work Plan		:	02/15/13 ✓ 03/16/13 ✓ 04/09/13 ✓ 04/22/13			✓	✓	X	✓				06/20/13	✓	NA		06/21/13	✓	07/03/13	✓	07/12/13	✓	DTSC (4/22), TIDA (4/22), EPA (5/15), WB (5/30)									
	RPM: Lora Battaglia																																
	PM: Hedy Abedi, TtEC																																



**Naval Station Treasure Island  
Environmental Cleanup Program  
Document Tracking Sheet  
July 2013 - December 2013**

			INTERNAL DRAFT				DRAFT							RTC		INTERNAL FINAL		FINAL			
Item	Document Title & Information	CTO/DO	Internal Draft Due to Navy	Navy Comments Due	Draft to Agencies	Agency Comments							Priority Review	Preliminary RTCs to Agencies	Resolve and Concur on RTCs	Internal Final to Navy	Navy Comments Due	Final to Agencies			
						Date Due	DTSC	WATER BOARD	EPA	TIDA/TICD	RAB	OTHER									
Sites 31/33																					
11	Site 31 Remedial Action Work Plan Amendments	:	07/26/13	07/31/13	08/07/13	08/14/13								08/16/13	NA	08/16/13	08/18/13	08/21/13			
	RPM: Lora Battaglia																				
	PM: John Baur, ITSI																				
12	Site 31 Remedial Action Completion Report	:	11/04/13	12/04/13	01/02/14	02/01/14								02/06/14	NA	02/06/14	02/12/14	02/19/14			
	RPM: Lora Battaglia																				
	PM: John Baur, ITSI																				
13	Site 31 Final Status Survey Report	:	10/09/13	11/13/13	11/20/13	12/19/13								12/24/13	NA	12/24/13	12/31/13	01/06/14			
	RPM: Lora Battaglia																				
	PM: John Baur, ITSI																				
14	Site 33 Remedial Action Completion Report	:	07/31/12	✓ 08/15/12	✓ 09/10/12	✓ 11/02/12	✓		X	✓				02/06/13	✓ 03/06/13	✓ 11/04/13	12/04/13	02/21/14			
	RPM: Lora Battaglia																				
	PM: John Baur, ITSI																				
Building 233																					
15	Building 233 Characterization and FSS Plan	0010	07/31/13		08/21/13		08/28/13		09/25/13						09/27/13	NA	09/28/13	09/29/13	09/30/13		
	RPM: Tony Konzen																				
	PM: Ulrika Messer, CB&I																				
16	Building 233 Final Status Survey Report	0010	12/05/13		01/02/14		01/23/14		02/19/14						03/13/14	03/26/14	03/28/14	03/30/14	04/02/14		
	RPM: Tony Konzen																				
	PM: Ulrika Messer, CB&I																				
Groundwater Monitoring																					
17	2012 Sites 6 and 12 Groundwater Report	:	03/31/13	✓	04/15/13	✓	05/02/13	✓	✓	✓	✓			07/18/13	TBD	08/01/13	08/15/13	08/29/13	DTSC (6/3), RAB (6/3), TIDA (6/5), WB (6/24)		
	RPM: Danielle Janda																				
	PM: Greg Alyanakian, Trevet																				
18	2012 Sites 21 and 24 Groundwater Report	:	07/26/13		08/09/13	08/30/13	09/29/13							10/13/13	10/20/13	10/27/13	11/10/13	11/17/13			
	RPM: Danielle Janda																				
	PM: Greg Alyanakian, Trevet																				
19	2013 Sites 6, 12, 21, 24 GW & Soil Gas WP/SAP	:	06/06/13	✓	08/01/13	08/15/13	09/12/13							09/26/13	10/03/13	10/14/13	10/21/13	10/28/13			
	RPM: Danielle Janda																				
	PM: Greg Alyanakian, Trevet																				
Other Reports																					
20	Historical Radiological Assessment Tech Memo	0003	05/30/12	✓	06/29/12	✓	08/06/12	✓	10/05/12	✓	✓	✓	✓	✓	01/18/13 02/28/14	✓	03/28/14	04/04/14	04/11/14	04/18/14	Document on-hold pending upcoming Site 12 characterization survey and soil sample results
	RPM: David Clark																				
	PM: Marcie Rash, TriEco-Tt																				
21	TI Radiological Management Plan	0006	01/07/13	✓	02/19/13	✓	04/12/13	✓	05/12/13	✓		✓			07/01/13	✓	07/17/13	07/18/13	07/25/13	08/01/13	TIDA (5/14), DTSC (5/17) SAP Cmts: EPA (6/3), TIDA (6/3)
	RPM: Danielle Janda																				
	PM: John Baur, ITSI																				
22	2013 Site Management Plan	0003	03/27/13	✓	05/06/13	✓	07/26/13		08/25/13						09/05/13		TBD	09/30/13	10/11/13	10/22/13	
	RPM: Danielle Janda																				
	PM: Marcie Rash, TriEco-Tt																				

**Naval Station Treasure Island  
Environmental Cleanup Program  
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July 2013 - December 2013**

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Item	Document Title & Information	CTO/DO	Internal Draft Due to Navy	Navy Comments Due	Draft to Agencies	Agency Comments					Priority Review	Preliminary RTCs to Agencies	Resolve and Concur on RTCs	Internal Final to Navy	Navy Comments Due	Final to Agencies	Comments								
						Date Due	DTSC	WATER BOARD	EPA	TIDA/TICD								RAB	OTHER						
Other Reports (Continued)																									
23	Community Relations Plan Update	0038	08/26/13		09/23/13		10/19/13		11/18/13						11/30/13		01/02/14		01/16/14		01/30/14		02/16/14		
	RPM: Keith Forman																								
	PM: Marcie Rash, Tetra Tech																								
24	Various Radiological Surveys Summary Report / Final Status Survey	0006	12/16/13		03/07/14		03/14/14		04/13/14						05/02/14		NA		05/16/14		05/30/14		06/13/14		
	RPM: Danielle Janda																								
	PM: John Baur, ITS																								

- ✓ Production or review of document is complete.
- X Received notification of no comments or comments deferred to other agency.

Abbreviations:

CTO/DO = Contract task order/delivery order  
DTSC = Department of Toxic Substances Control  
EPA = U.S. Environmental Protection Agency  
FS = Feasibility study  
FSS = Final status survey  
HHRA = Human health risk assessment  
LUC = Land use control  
NA = Not applicable  
NTCRA = Non-time critical removal action

PCB = Polychlorinated biphenyls  
PM = Project manager  
PP = Proposed plan  
RAP = Remedial action plan  
RASO = Radiological Affairs Support Office  
RD = Remedial Design  
RAWP = Remedial Action Work Plan  
RI = Remedial investigation  
ROD = Record of decision

RPM = Remedial project manager  
SAP = Sampling and analysis plan  
SWDA = Solid waste disposal area  
TBD = To be determined  
TICD = Treasure Island Community Developers  
TIDA = Treasure Island Development Authority  
UST = Underground storage tank  
Water Board (WB) = Regional Water Quality Control Board  
WP = Work Plan

Grey shading indicates the document is finalized.

Blue shading indicates agency review comments are due within the next 30 days or are outstanding.

Yellow shading indicates documents that will be issued draft or final within the next 30 days.

**Naval Station Treasure Island  
Navy Field Schedule  
July 2013 - December 2013**

Item	Activity and Investigation Area	Field Dates	Navy RPM	Complete
<b>Site 12</b>				
1	SWDA A&B (Phase I) - Non-Time Critical Removal Action	Start: 02/26/07 Finish: TBD	Tony Konzen (619) 532-0924	
2	SWDA A&B (Phase II) - Site 12 Hot Spots and Buildings 1121 and 1323 Demolition	Start: 05/15/13 Finish: 08/19/13	Tony Konzen (619) 532-0924	
<b>Site 27</b>				
3	Site 27 Remedial Action	Start: 07/09/13 Finish: 12/04/13	Lora Battaglia (619) 532-0968	
<b>Sites 31/33</b>				
4	Sites 31/33 Remedial Action	Start: 02/02/12 Finish: 10/31/13	Lora Battaglia (619) 532-0968	
<b>Building 233</b>				
5	Building 233 Debris Screening / Final Status Survey	Start: 01/30/12 Finish: 04/11/14	Tony Konzen (619) 532-0924	
<b>Groundwater Monitoring</b>				
6	Sites 6,12 - 1st Quarter Groundwater Sampling <i>Sites 6 and 12</i>	Start: 06/24/13 Finish: 06/26/13	Danielle Janda (619) 532-0796	✓
7	Sites 6, 21, 24 - Groundwater/Soil Gas Sampling <i>Sites 6, 21, and 24</i>	Start: 09/16/13 Finish: 09/25/13	Danielle Janda (619) 532-0796	
8	Site 6 - Groundwater Sampling <i>Site 6</i>	Start: 12/02/13 Finish: 12/02/13	Danielle Janda (619) 532-0796	
<b>Other</b>				
9	Scoping Surveys - Various Sites <i>Building 3, Sites 12, 32, and roads between Sites 6 and 12; and Waste Utilities at Bldgs 3, 7, and 233</i>	Start: 08/01/13 Finish: 11/01/13	Danielle Janda (619) 532-0796	

Abbreviations:

-- Not applicable, there is no associated documentation listed on the DTS.  
 CTO/DO Contract task order/delivery order  
 DTS # The number listed corresponds to the associated documentation listed on the Document Tracking Sheet.  
 RPM Remedial project manager  
 SWDA Solid waste disposal area  
 TBD To be determined  
 UST Underground storage tank

✓ Field work is complete.

Yellow shading indicates field activities that will start or finish within the next 30 days.

Grey shading indicates field activities are complete.

**TREASURE ISLAND BCT ACTION ITEMS**  
**July 17, 2013**

Item	Action Item	Lead	Due Date	Revised Due Date	Completed	Comments
<b>RADIOLOGICAL</b>						
1	Navy to provide schedule of verification surveys at Site 12 with CDPH RHB (Kent Pendergast).	Navy <i>Tony Konzen</i>	07/31/13			As noted during the June 2013 BCT meeting.
2	Navy to discuss level of CDPH involvement in building demolition/surveys with CDPH (Steve Woods).	Navy <i>Keith Forman</i>	07/31/13			As noted during the June 2013 BCT meeting.
<b>MISCELLANEOUS</b>						
3	Navy is to organize a meeting with the BCT to discuss the FOST 4 scope and schedule after the HRASTM is finalized.	Navy <i>Keith Forman</i>	ongoing			As requested by TICD at the February 2013 BCT meeting. This will be completed subsequent to the HRASTM.

**Notes:**

✓ Gray shading and/or check mark indicates action item is complete.

BCT Base Realignment and Closure Cleanup Team

CDPH California Department of Public Health

DTSC Department of Toxic Substances Control

RAB Restoration Advisory Board

RASO Radiological Affairs Support Office

RI Remedial Investigation

RTC Response to comments

SF PUC San Francisco Public Utilities Commission

TBD To be determined

TIDA Treasure Island Development Authority

YBI Yerba Buena Island